रजिस्ट्री सं० डीएल—33001/94

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भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 7th May 1994

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Patent Office Branch, Unit No. 401 to 405, III Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005.

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Patent Office (Head Office), "NIZAM PALACE", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020.

Rest of India.

Telegraphic address "PATENTS".

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 7 मई 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीप एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
कक्ष सं 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

APPLICATION FOR PATENT AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patent Act, 1970.

23rd March 1994

192/Cal/94. Siemens Aktiengesellschaft. Polarized Electro-Magnetic Relay.

193/Cal/94. The Mead Corporation. Bottle Carrier.

194/Cal/94. Callaway Golf Company. Hollow, Metallic Golf club head with relieved sole and dendritic structure.

195/Cal/94. Wavephore Inc. Improved data with video transmitter.

24th March 1994

196/Cal/94. Pouvet International. Plug-in protection module for a module for rapid interconnection of telephone lines.

197/Cal/94. Beloit Technologies, Inc. A method and apparatus for reeling a wound web roll.

198/Cal/94. Georg Robel GmbH & Co. A rail loading train for transporting and for loading and unloading long rails.

25th March 1994

199/Cal/94. Stone India Limited. An improved feed valve for compressed air brake system on a railway locomotive or other rail vehicles.

200/Cal/94. Robert Arden Higginbottom. Equalization of load. (Convention No. PL 7968 dated 25-3-93 in Australia).

201/Cal/94 Daniel & C. Officine Meccaniche S P A. Method for the controlled pre-rolling of thin slabs leaving a continuous casting plant, and relative device.

28th March 1994

202/Cal/94 Copeland Corporation. Suction Conduit Assembly Mounting.

203/Cal/94. Traditional Chinese Medicine Research Laboratory Inc. Injectable preparations for curing affected abnormal tissues, method for the preparation thereof, and usage thereof.

204/Cal/94. Occidental Chemical Corporation Process for producing polyethylene.

28th March 1994

205/Cal/94 E I Du Pont De Nemours and Company. Preparation of poly (M-phenylene Isophthalamide) filaments.

206/Cal/94. E. I. Du Pont De Nemours and Company. Resin regeneration process.

207/Cal/94 Denox S r l Exhaust system for reducing pollutants in the exhaust gases of internal-combustion engines

208/Cal/94 Stewing Nachrichtentechnik GmbH & Co. KG Berlin Process to increase the resistance to tearing of a heat-resettable material web.

209/Cal/94. Hocchst Celanese Corporat on. Fiber-reactive triphenodioxazine dyes.

210/Cal/94 Indian Jute Industries' Research Association. An improved process for preparing jute reinforced laminates of composited from jute non-woven mat or felt as an adeal substitute of timber, polywood and other moulded products.

211/Cal/94. Chow Pak Lim A Pallet

212/Cal/94. The Babcock'Wilcox Company. Combined low No_x burner/No_x port

213/Cal/94. Labatt Brewing Company Lim ted. Improvements in production of fermented malt beverages

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, AT TODI ESTATES, IIIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13

31st January 1994

35/Bom/94 Lawkim Limited Fan blade clearner. U K Priority dt 1-2-93

36/Bom/94. Avinash Shrikrishna Vaidya Flowmeters

1st February 1994

37/Bom/94. Mr Horacio Rodrigue Soiinho, Mr Antonio Rodrigues Neto & Mr Renato Electronic ballast w th built-in times power saver and photo-electric switching for high pressure mercury vapor, metallic vapour and sodium vapour lams

3rd February 1994

38/Bom/94 Gopal Nidhi Sharma, Peeyush Nidhi Sharma & Divya Nidhi Sharma Improving the cementing properties or more precisely the hydraulic activity of granulated blast furnace slag by al ering its chemical composition while in molten state and a method of accomplishing the same.

39/Bom/94 Hindustan I ever Limited Cleaning composition U K. Pr ority dt. 3 2-93.

40/Bom/94 Hindustan Lever Limited Detergent Composition. U K Priority dt 5-2-93

4th February 1994

41/Bom/94 Babubhai Nanubhai Patel. A wingless plans car.

7th February 1994

42/Bom/94 Mr Rajendra P Ghogale, Mrs Surekha R. Ghogale, Mr Kottcheril A Alex, Mr. Mohan I Mathunni A process for manufacturing Paneer (Indian Cheese) from buffalo milk or a mixture of buffalo and other m xed milks.

43/Bom/94 Avinash Shrikrishna Vaidya. A fluid velocity measuring device.

44/Bom/94 Ashok Ratanshi Shah Container.

8th February 1994

45/Bom/94 Hasmukhbhai Baldevbhai Patel Synchronous electric motor

10th February 1994

46/Bom/94 Eureka Forbes Ltd. Water cooler cum purifier.

11th February 1994

47/Bom/94. Milind Ram Dixit. Automatic Seal ng Machine.

14th February 1994

48/Bom/94. Jash Metrology Pvt. Ltd. Three Co-ordinate measuring machine.

49/Bom/94. Condyne Technology Inc. Single phase induction motor safety controller.

15th February 1994

50/Bom/94. Dilip Shantaram Dahanukar. System and means for preventing flooding and quick restarting of 2-stroke petrol engines.

16th February 1994

51/Bom/94 Prakash Ramchandra Vanjpe. Tyre stopper—Pos tive stoppage of automobile vehicles by putting triangular piece, mechanically or otherwise in the path of tyre controlled from driver's seat.

52/Bom/94 Kirloskar Brothers Ltd. A method of manufacturing a low aloy cast steel and material made by the method.

17th February 1994

53/Bom/94. Hindustan Lever Limited Detergent composition U K Priority dt 24-2-93.

54/Bom/94 Tata Honeywell Limited. Improved fuse terminal block for field connections as remote terminal panel.

55/Bom/94. Melvin Clarkson Suspended Beverage infusion bag

56/Bom/94 Ramesh Kumar Jain & Ashok Kumar Jain. Improvements relating to tongs

18th February 1994

57/Bom/94. Godrej Soaps Ltd A plant growth regulator.

21st February 1994

58/Bom/94 Indian Petrochemicals Corporation Limited A process for the production of paradiethylbenzene

22nd February 1994

59/Bom/94 Tilak Raj Chaudhary An improved illuminated nasopharyngoscope

60/Bom/94 Tilak Raj Chaudhary An improved illuminated ala retractor.

61/Bom/94 Tilak Raj Chaudhary. An improved illuminated abdominal retractor.

23rd February 1994

62/Bom/94. Upinder Singh Santokh Singh Narula Rotating disc shower.

24th February 1994

63/Bom/94. Gandalal Chaturbhai Panchal and Jayantibhai Gandalal Panchal A cotton POD Peeling machine.

64/Bom/94. Thermax Limited. A washing machine for washing components to be used in industries for manufacturing/assembly.

25th February 1994

65/Bom/94. Olaf Erich Bethke Multiple foci solar energy collection system

66/Bom/94 Dr Sudheshchandra Dwarkanath Gadkary. Improved greenhouse structure.

67/Bom/94. Gopalarao Rangarao Maddali. Battery operated automatic cradle.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

15th March 1994

175/Mas/94. Behrouz Goshtasb. Cooker and method of cooking. (March 12, 1993; United Kingdom).

176/Mas/94. PPV Verwaltungs AG. A flow body.

177/Mas/94. Foseco International Limited. A mould and a method for the casting of metals and refractory compositions for use therein. (April 22, 1993; Great Britain).

178/Mas/94. PPV Verwaltungs AG. Converter System for a flow engine.

16th March 1994

179/Mas/94. Bijay Kumar Deshmukh. A microbial process for BIO-FERTILIZER-SANJIBAN.

180/Mas/94. Shell Internationale Research Maatschappij B.V. Fuel compositions.

181/Mas/94. Uhde GMBH. Process and plant for the production of granulated ammonium nitrate of a predetermined grain size.

182/Mas/94. Macrovision Corporation. Radio receiver for information dissemination using subcarrier.

183/Mas/94. S.A.E. Afikim. Auxiliary drive apparatus

184/Mas/94. ABB Management AG. Radial-flow exhaust turbocharger turbine.

185/Mas/94. ABB Management AG. Radial flow exhaust turbocharger turbine.

17th March 1994

186/Mas/94. B. Narayanan & B. Balakrishnan. Automatic date indicator.

187/Mas/94. B. Narayanan & B Balakrishnan. A tool for writing.

188/Mas/94. La Francaise Des Jeux. Multimedia interactive betting game terminal

189/Mas/94. Eniricerche S p A and Snamprogetti SpA. Process for preparing sulfonated dispersants

190/Mas/94. Riffe, William. Method and apparatus for preventing corrosion of metal structures.

191/Mas/94. Maschinenfabrik Rieter AG. A nipper arrangement for a combing machine.

192/Mas/94. Maschinenfabrik Rieter AG. An apparatus for attaching working elements.

18th March 1994

193/Mas/94. Astra Research Centre. A novel method of diagnosis of acute pyogenic meningitis by a combined PCR/DOT Blot assay.

194/Mas/94. Astra Research Centre, India. A novel process for the production of proteins and/or polypeptides in E. Coli.

195/Mas/94. Fluid Management Limited Partnership. Dispensing apparatus having improved valving.

196/Mas/94. Ellenberger & Poensgen GMBH. Instrument switch having integrated overcurrent protection.

ALTERATION OF DATE UNDER SECTION 16

173455 Antedated to 10th February, 1988 (358/Cal/90)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपर्युक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl 27D+27 E+270 173431

Int Cl E 04 B, 1 00

"METHOD OF CONSTRUCTING LOAD BEARING SURFACE"

Applicant CENEHILL PTY LTD OF PEAT MARWICK HUNGERFORDE 1ST FLOOR BAROLAYO HOUSE, 15 SHORT STREET SOUTHPORT QUEENSLAND 4215, AUSTRALIA

Inventors (1) IAN ROBERT MACDOLAND, (2) IAN CRANT MACDOLAND (3) CAMFRON JOHN MACDONALD

Application No 402/Cal/89, filed on 25th May, 1989

(Convention Nos PI 8426, PI 8597, PI 9873; dated the 25-5-88, 3-6-88, 16-8-88, Australia)

Appropriate Office for Opposition Proceedings (Rule 4 Patent rule 1972) Patent Office Calcutta

14 Claims

A method of constructing a load bearing surface such as a retaining walll floor span, roadway or the like of the type having one or more interconnectable corrugated sheets, each interconnectable sheet of the type having one or morealternating radiused ridges and radiused troughs connected by linear webs, characterised in that said method comprises

(a) Providing an adaptor also comprising a corrugated sheet having corrugations complementary to those of said interconnectable sheet, said adaptor having means for temporary attachment to said inter connectable sheet,

(b) using said adaptor to place said interconnectable sheet into its required position and

(c) removing said adaptor

(Compl speen 38 pages Drgns 24 sheets)

Cl 134 B 173432

Int Cl F 16 N 39 04

WARM UP CONTROL FOR TRANSMISSION HYDROSTATIC UNIT

Applicant GENERAL ELECTRIC COMPANY OF 1 RIVER ROAD SCHENECTADY 5 NEW YORK UNITED STATES OF AMERICA

Inventor JON ANTON MACHT

Application No 752 Cal/1989 filed on 13th September 1989

Appropriate Office for Opposition Proceedings (Rule 4 Patent rule 1972) Patent Office Calcutta

15 Claims

A warm-up device for a hydrostatic propulsion unit of a vehical transmission system comprising a hydraulic pump driven by an engine and a hydraulic motor connected in hydraulic loop circuit with the hydraulic pump said warm-up device comprising in combination

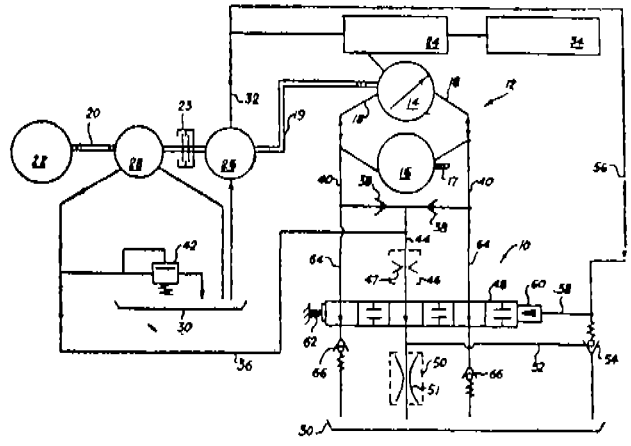
(a) a makeup pump driven by the engine for pumping hydraulic fluid from a sump through a fluid make-up line to the hydraulic loop circuit to replenish fluid leakage losses therefrom,

(b) at least one bleed line for removing hydraulic fluid from the hydraulic loop circuit to limit pressure buildup therein,

(c) a control valve connected in said one bleed line;

(d) a hydraulic fluid viscosity monitoring line connected to said makeup line and comprising at least one fluidic element for developing a viscosity fluidic singal indicative of the viscosity of the hydraulic fluid flowing there through, and

(e) means responsive to said viscosity fluidic signal for maintaining said control valve open until the hydraulic fluid viscosity decreases to a safe operating range



(Compl Speen 17 pages Drgns 1 sheet)

Cl 35 E 173433

Int Cl C 04 B 35/00

METHOD OF MAKING METAL MATRIX COMPOSITE

Applicant LANXIDE TECHNOLOGY COMPANY, LP OF TRALEE INDUSTRIAL PARK, NEWYARK DELAWARE 19714 6077, UNITED STATES OF AMERICA

Inventors (1) MICHAEL KEVORK AGHAJANIAN
(2) ROBERT CAMPBELL KANTNER,
(3) JOHN PETER BIEL, JR

Application No 812/Cal 89 filed on 29th September, 1989

Appropriate Office for Opposition Proceeding (Rule 4 Patent Rule 1972) Patent Office Calcutta

38 Claims

A method for making a metal matrix composite comprising

spontaneously infiltrating as herein described, atleast a portion of a substantially non reactive filler, as herein described, with molten matrix metal to form a spontaneously infiltrated mass, and

directionally solidifying as herein described at least a portion of said spontaneously infiltrated mass

(Compl Speen 53 pages Drgns 5 sheets)

Cl 35 E 173434

Int Cl C 04 B, 35/00

'A METHOD FOR MAKING A METAL MATRIX COMPOSITE'

Applicant LANXIDE TECHNOLOGY COMPANY, LP OF TRALEE INDUSTRIAL PARK, NEW YARK, DELAWARE 19714 6077, UNITED STATES OF AMERICA.

Inventors : (1) RALPH ALFRED LANGENSIEPEN,
(2) MICHAEL KEVORK AGHAJANIAN,
(3) ROBERT JAMES WIENER.

Application No 813/Cal/89; filed on 29th September, 1989.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

39 Claims.

A method for making a metal matrix composite, comprising :

providing a substantially non-reactive filler as herein described; providing a source of molten matrix metal as herein described; interposing a gating means as herein described between said filler and said source of molten matrix metal which controls or limits the areal contract between molten matrix metal and the filler; and

Spontaneously infiltrating as herein described the filler with molten matrix metal.

(Compl. Specn. 40 pages; Drgns. 2 sheets.)

Cl. 32-F; 136-E. 172435

Int. Cl. C 08 J 3/24, B 29 C 35/00, 43/30, 63/00.

"HEAT-SHRINKABLE SHEATHING WITH LOW SUSCEPTIBILITY TO TEARING".

Applicant : RXS SCHRUMPFTECHNIK-GARNITUREN GMBH, OF PROFILSTR, 4, 5800 HAGEN 1, WEST GERMANY

Inventors : (1) VOLKER HEINZE,
(2) ANDREAS KUPCZYK.

Application No. 844/Cal/89, filed on 12th October, 1989.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

16 Claims.

Heat-shrinkable sheathing of crosslinked, polymeric plastics material having different degrees of crosslinking, for impermeably sealing objects, characterised in that at least two plastic components having different degrees of crosslinking are arranged so as to be orderly distributed over the whole surface of the sheathing, where one plastic component has a degree of crosslinking which ensures optimal shrinkability and where another plastic component has a degree of crosslinking which is adapted to optimal, mechanical strength towards tear propagation and in that the desired effect is assisted by particular geometrical profiles and arrangements.

(Compl. Specn. 15 pages; Drgns. 4 sheets.)

Cl. 150 C, B, 151 C, F, G. 173436

Int. Cl. F 16 L 37/08, 27/00, 25/00.

"BALL JOINT ASSEMBLY OF PIPES".

Applicant & Inventor : SURENDRA SINGH SARANNG, OF 30 B RUSSA ROAD (EAST), CALCUTTA-700-033, WEST BENGAL, INDIA

Application No. 980/Cal/89; filed on 28th November, 1989.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rule 1972) Patent Office, Calcutta

5 Claims.

A ball joint assembly of pipes for conveying fluids from one place to another comprising a plurality of jointed nipples/pipes, an extention piece fitted with spring means, said extension piece being disposed between two nipples/pipes, characterised in that at least one hollow spherical member is secured between two nipples, said member having a passage therethrough for fluid communication and comprising a stationary and a movable part, said movable part being adapted to move around the axis of said passage through the said hollow spherical member, said nipples communicating with said passage for transferring the fluid to different planes and/or different angles.

(Compl. Specn. 10 pages; Drgns. 1 sheet.)

Cl. 32 B. 173437

Int. Cl.[6] C 07 C 7/10, 7/14, 13/28.

"METHOD FOR ISOLATION AND PURIFICATION OF COAL TAR-DERIVED ANTHRACENE".

Applicant : INSTYTUT CHEMII PRZEMYSLOWEJ, OF RYDYGIERA STR., 8, WARSZAWA, POLAND.

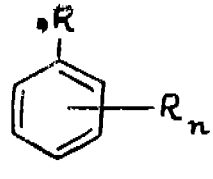
Inventors : (1) JERZY POLACZEK, (2) ZYGMUNT LISICKI, (3) TERESA TECZA, (4) ANDRZEJ KRZESLAK, (5) BOLESLAW NOWICKI, (6) ALICJA SZEN, (7) JERZY BIALEK, (8) MIECZYSLAW DRZAZGA, (9) DANUTA WYRZYKOWSKA-STANKIEWICZ, (10) MALGORZATA JAMROZ, (11) SLAWOMIR GALKA, (12) TERESA KRECZMER.

Application No. 983/Cal/89; filed on 29th November, 1989.

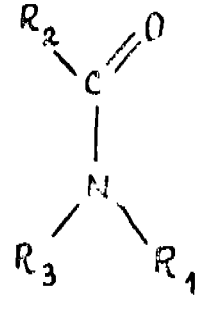
Appropriate Office for Opposition Proceeding (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

14 Claims

A method for isolation and purification of anthracene from coal tar feedstocks by crystallization and solid-liquid-extraction characterized in that the anthracene oil, is cooled down in a vertical crystallizer of a developed cooling surface to a temperature below 80°C the residual oil is separated, preferably gravitationally, the formed raw anthracene crystals are treated in the same crystallizer with an aprotic dipolar solvent such as herein described and then the purified anthracene is separated from its suspension in solvent by filtration, centrifugation or in any other known method, and solvents are recovered and recycled to the process.



FORMULA I



FORMULA II

(Compl. Specn. 16 pages; Drgns. 1 sheet.)

Cl. 63 B 173438

Int. Cl.[4] H 01 F 3/14.

"ARMATURE IN GENERATOR".

Applicant : MITSUBA ELECTRIC MANUFACTURING CO LTD OF 2681 HIROSAWACHO 1-CHOME, KIRYU-SHI, GUNMA, JAPAN.

Inventors : (1) YUTAKA NOZUE,
(2) KASAKAKE-MURA.

Application No. 1016/Cal/89; filed on 8th December, 1989.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

10 Claims.

An armature in a generator, comprising :

a core body having a plurality of poles;

a coil unit mounted to a first one of said poles of said core body,

a side core mounted to a forward end of said first pole;

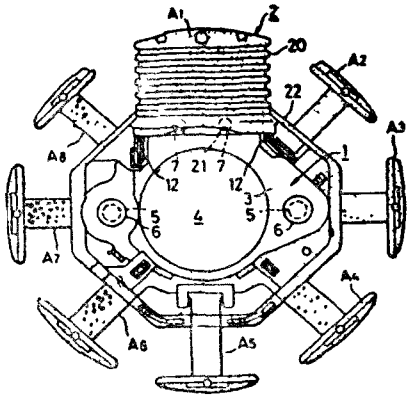
coil bobbins respectively mounted to the poles other than said first pole;

and

a resinous package for covering an outer periphery of said coil unit mounted to said first pole,

said resinous package being resin-molded on to the core body so that said coil unit is fixed to said core body in a united manner.

FIG.2



(Compl. Specn. 28 pages; Drgns. 9 sheets.)

Cl. 129 Q 173439

Int. Cl.[4] B 23 K 20/12.

"METHOD OF JOINING METAL ARTICLES BY INERTIA FRICTION WELDING":

Applicant : UNITED TECHNOLOGIES CORPORATION. OF DELAWARE HARTFORD, CONNECTICUT 06101, UNITED STATES OF AMERICA.

Inventors : (1) JACK SANFORD THROWER,
(2) DENNIS CHRISTOPHER STEWART,
(3) ENRIQUE EDGAR MONTERO.

Application No. 1038/Cal/89; filed on 15th December, 1989.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

7 Claims

A method of joining metal articles, wherein parts of the articles are positioned in relation to each other and joined by inertia friction welding as the parts rotate relative to one another and pressure is applied, characterised in that one of the articles to be joined has a first axis of symmetry perpendicular to the intended bond plane, and a first diameter in the case of the article being solid, or a first wall thickness in the case of the article being hollow, and the other article has a second axis of symmetry perpendicular to the intended bond plane, and a second diameter in the case of the article being solid, or a second wall thickness in the case of the article being hollow, and that the first diameter/first wall thickness being greater than the second diameter/second wall thickness, so that on disposition of the articles in relation to each other with its axes of symmetry being coincident, symmetrical spacing is defined between the outer surface of the articles, when solid, or between the wall thicknesses of the articles, when hollow, and in that on carrying out inertia friction welding for joining the articles, so disposed, a curved inertia weld zone is produced whereby the size and location of notch resulting from inertia welding is capable of being controlled.

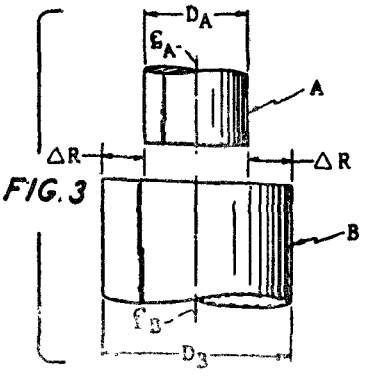


FIG. 3

(Compl. Specn. 16 pages; Drgns. 2 sheets.)

Cl. 47 B. 173440

Int. Cl.[4] C 10 J 3/46.

"A GASIFICATION REACTOR FOR COMBUSTING A CARBONACEOUS FUEL MIXTURE".

Applicant : TEXACO DEVELOPMENT CORPORATION 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 10650, UNITED STATES OF AMERICA.

Inventor : ALFRED LEONARD DEN BLEYKER.

Application No. 1042/Cal/89; filed on 18th December, 1989.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

9 Claims.

A gasification reactor for combusting a carbonaceous fuel mixture to produce a hot effluent stream comprised primarily of a usable gas, said reactor comprising

a reactor shell.

a refractory lined combustion chamber in said shell,

a burner extending through said shell into the combustion chamber and communicated to a means for supplying a pressurized carbonaceous fuel mixture, for discharging a flow of the fuel mixture into the combustion chamber, whereby to combust the mixture and form said hot effluent stream,

means in said shell forming a quench chamber comprising a liquid bath beneath said combustion chamber,

means forming a constricted throat in said shell interconnecting the combustion chamber to said quench chamber for conducting said hot effluent stream, from the combustion chamber to the quench chamber,

a dip tube positioned in said shell defining an effluent guide passage, said dip tube having an inlet positioned adjacent to said constricted throat for guiding said hot effluent stream from said combustion chamber into the liquid bath of the quench chamber.

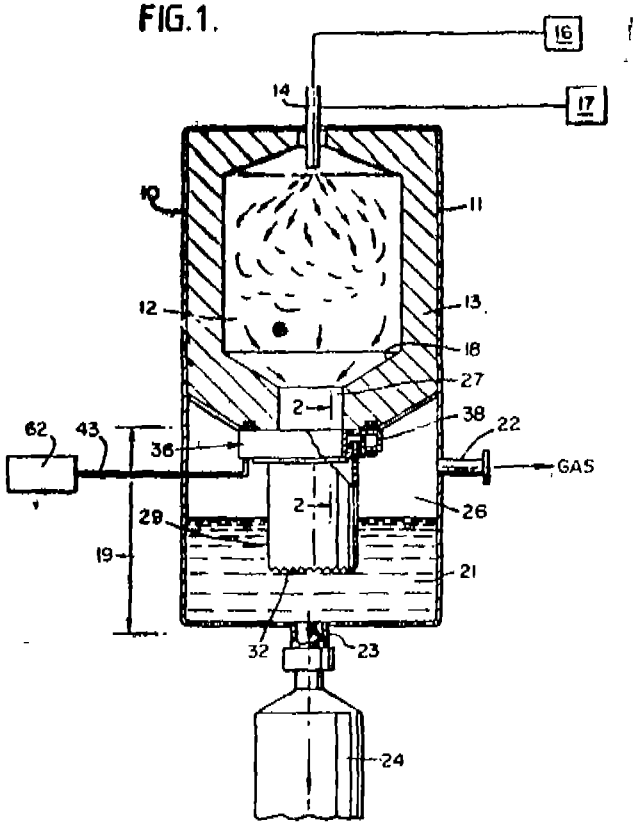
a multi-segment quench ring assembly depending from said shell and positioned in alignment with said constricted throat to receive the hot effluent stream therefrom, including :

a first toroidal ring segment having an annular coolant passage connected to a pressurized liquid supply means, and having an internal rim defining a recessed receptacle,

a second ring segment removably registered in said recessed receptacle, having an internal manifold channel in fluid communication with said annular coolant passage and having at least one means forming a dicharge port in liquid communication with said internal manifold channel and directed onto said dip tube, and

fastening means removably registering said second ring segment in the recessed receptacle of said first toroidal ring segment.

FIG.1.



(Compl. Specn. 13 pages; Drgns. 2 sheets.)

IND. CL. : 141 D. 173441

INT. CL.[4] : C22B 1/02.

APPARATUS FOR ROASTING FINE GRAINED MATERIAL SUCH AS CEMENT RAW MEAL, LIME OR DOLOMITE.

Applicant : FULLER COMPANY, of 2040 Avenue "C" P.O. Box 2040 Bethlemhem, Pennsylvania 18001, United States of America, a corporation organised under the laws of the State of Delaware, U.S.A.

Inventors : THOMAS ROYSTON LAWALL & STEPHEN ANDREW LUKACZ.

Application for Patent No 484/DEL/87 filed on 05 Jun 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

Apparatus for roating fine grained material such as coment raw meal, lime or dolomite comprising a furnace (30) having an inlet for gas for combustion, an inlet (25) for raw fine grained material to be roasted, an inlet (24) for fuel for combustion in said furnace (20) and an outlet (22) for spent combustion gas and at least partially roasted fine grained material, a gas-solids separator (10 stage V) having (i) an inlet (21) for spent combustion gas and at least partially roasted fine grained material flow connected to the outlet (22) of said furnace (20); (ii) an outlet (13) for separated at least partially roasted fine grained material and (iii) an outlet (12) for separated spent combustion gas; means (7, 70) for recirculating a portion of the at least partially roasted fine grained material from the outlet (13) of said gas-solids separator (10) to said furnace (20) and means (78) connected to said recirculating means (7, 70) for discharging the remainder of the at least partially roasted fine grained material; and means (71) for by-passing material around said recirculating means (7) for discharging by-passed material.

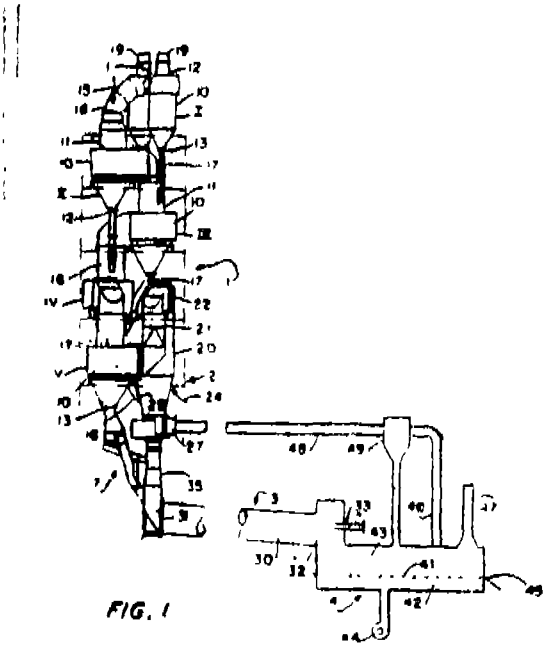


FIG. 1

(Complete Specification 13 pages Drwg. Sheet 1).

Ind. Cl : 140 AI XT(2) 173442

Int. Cl.[4] : C10 M 135/36

A FUEL ADDITING COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION A corporation Organisation under the Law of the State of Ohio, United State of America, of 29400 Lakeland Boulevard, Wicklifte, Ohio 44092 United States of America.

Inventor : CASPER JOHN DORER

Application for patent No. 788/DEL/87 filed on 8 Septemper 1987.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A fuel additive composition comprising;

(A) an overbased transition metal salt of an organic acid such as hereinbefore described and

(B) a compound represented by the general formula I

of the drawing

Wherein R_1 and R_2 are independently hydrogen or a hydrocarbyl and X and Y are independently an integer in the range of form 1 to 8, the amount of said component (A) to component (B) being from 1:20 to 20:1 and the balance, if any being constituted by an ashless dispersant of the kind such as herein described.

(Complete specn 23 pages Drwg Sheet 1).

IND. Cl. : 63 I LVII (1) 173443

INT. CL.[4] : H 02 P 6 00.

AN ENERGIZING SYSTEM FOR A VARIABLE RELECTANCE MOTOR.

Applicant : EMS ELECTRONIC MOTOR SYSTEMS AB., a Swedish corporation, of S/s Hantvarkaren, S. Malarstrand, S-11725 Stockholm, SWEDEN.

Inventors : GUNNAR HEDLUND, HENRIK LUNDBERG.

Application for Patent No. 834/DEL/87 filed on 22nd September, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

An energizing system for a variable reluctance motor comprising :

a stator which is provided with one or more windings (L_1, L_2, L_3) for one or more phases, each of said phases being a driving phase when its winding is energized,

a rotor, the rotor position of which influences the permeance in each of said stator windings by cooperation of the rotor with the respective magnet circuit of said windings,

said motor not being provided with rotor position sensor,

a sensing, calculating and control means (1 to 11) sensing electrical properties of said windings, computing the rotor position using said sensed properties and the times for switching off a driving phase, and controlling the switching on and off of said phase windings (L_1, L_2, L_3) in accordance with the computed times for switching,

characterised in that

said sensing calculating and control means includes a means (R_1 R_2 R_3, 5, 1) for sensing the inductance in each phase winding, or a magnitude clearly related to the inductance, during at least that part of a rotational turn of said rotor, when the respective phase winding is in a driving mode,

and that said sensing and control means includes a calculating means (1) which, when said inductance sensing means senses predetermined inductance L_k corresponding to a given rotor position, takes the time for sensing said inductance L_k as a starting point for calculating the time for changing the energized or excitation state of the monitored phase winding and includes control means (Ta^1, Ta^2, Ta^3) for switching on or off the respective phase windings at times calculated by said calculating means.

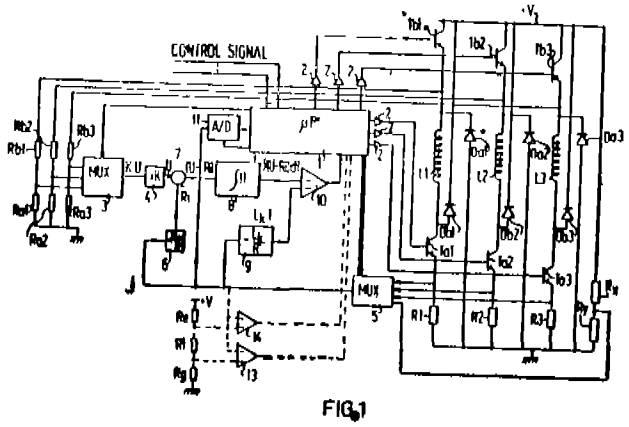


FIG. 1

(Compl. Specn. 33 pages; Drgns. 4 sheets.)

Ind. Cl. : 107C, G. 173444

Int Cl.[4] : F02 B 13 00, 13/04.

FUEL INJECTION SYSTEMS FOR INTERNAL COMBUSTION ENGINES.

Applicant : ORBITAL ENGINE COMPANY PROPRIETARY LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF WESTERN AUSTRALIA, OF 4 WHIPPLE STREET, CALCUTTA, WESTERN AUSTRALIA, VICTORIA, AUSTRALIA.

Inventor : KENNETH PHILIP SEEBER, WAYNE ROSS GILBERT & CHRISTOPHER KIM SCHLUNKE.

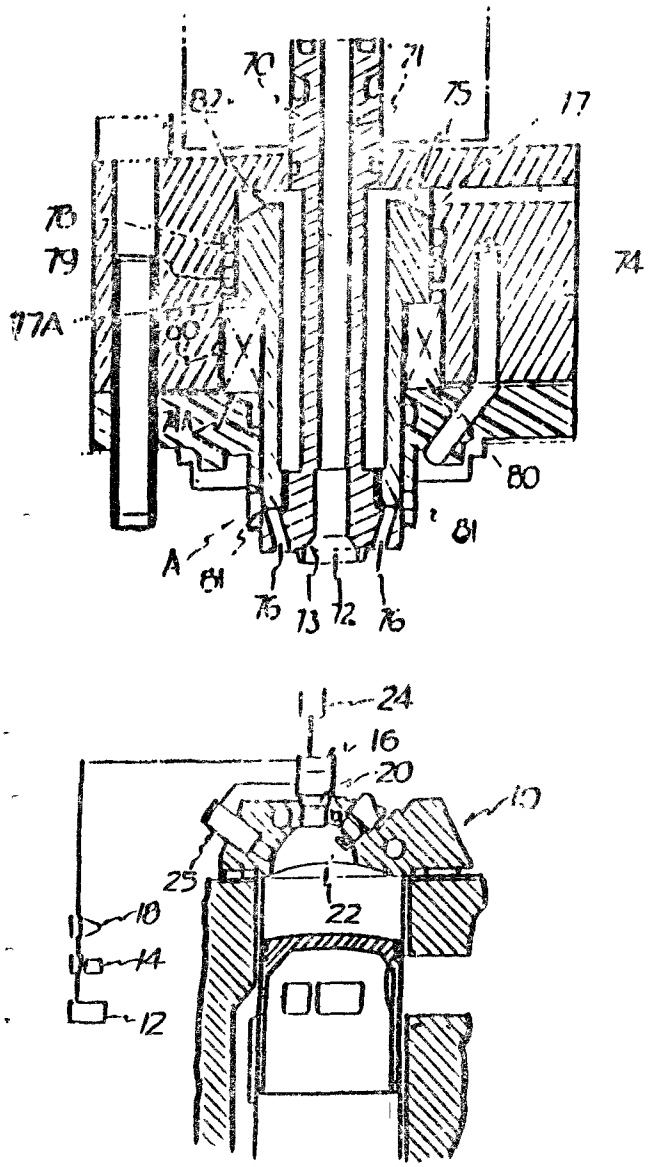
Application for Patent No. 835/DEL/87. Filed on 22nd September, 1987. Convention date 23rd September, 1986 & 13th March, 1987/PH 8154 & PI 0841/AUSTRALIA.

Approprate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Branch, New Delhi-110005.

9 Claims

A fruel injection system for an internal combustion (10) engine having one or more combustion (22) chambers, said injection system comprising a fuel metering (16) device to prepare a metered quantity of fuel to be supplied to at least one combustion chamber of said engine, a selectively openable valve (24) connected to said metering (16) unit through which said metered quantity of fuel is delivered to said at least one combustion chamber, said fuel being entrained in a charge of gas supplied from a gas reservior (25) connected to at least one of said combustion (22) chambers a conduit (36) for supplying said gas to said gas reservior (25) from said at least one combustion (22) chamber said (36) conduit being connected between said gas reservior and said at least one combustion (22) chamber, a control device (37, 40), device connected to said conduit for controlling the supply

of gas through said conduit (22) from the combustion (22) chamber to said (25) reservior to maintain the pressure of the gas in the reservior above the pressure required to effect delivery of the fuel to the at least one combustion chamber of said engine and a regulator (18) connected to said gas reservior (25) for controlling the supply of gas from the gas reservior (25) at a regulated pressure to effect delivery of the fuel to the at least one combustion chamber.



(Compl. Specn. 28 pages; Drgns. 6 sheets)

Ind. Cl. : 72 B. 173445

Int. Cl.[4] : C06B 25/00.

"EXPLOSIVE COMPOSITIONS".

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, U.S.A., OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, U.S A AND ATLAS POWDER COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 15301 DALLAS PARKWAY, THE COLONNADE, SUITE 1200, DALLAS, TEXAS 75248-4629, UNITED STATES OF AMERICA.

Inventors : JOHN WESLEY FORSBERG, JOHN JOSEPH MULLAY AND JOSEPH ANDREW SOHARA.

Application for Patent No. 1040/DEL/87 filed on 3rd December, 1987.

Appropriate Office for Oppoisition Proceedings (Rule 4, Patent Rule 1972), Patent Office Branch, New Delhi-110005.

Claims 35

An explosive composition comprising 85 to 98 perce by weight of a discontinuous oxidizer phase comprising at least one oxygen-supplying component of the kind such as herein described and 2 to 15 percent by weight of a continuous organic phase comprising at least one water-immiscible organic liquid of the kind such as herein described contaning at least one nitrogen-containing emulsifier said emulsifier being present in an amount of from 4 to 40% by wt. of said organic phase and being a derivative of

(A) at least one carboxylic acylating agent such as herein defined,

(B) at least one polyamine such as herein defined, and

(C) at least one acid or acid producing compound such as herein defined capable of forming at least one salt with said polymine.

(Compl. Specn. 80 pages; Drgns. 2 sheets.)

Ind. Cl. : 40 F. 173446

Int. Cl.[4] : C08L 1/16.

PROCESS FOR THE EXTRACTION OF KAPPA CARRAGEENAN FROM INDIAN RED SEAWEEDS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAMNIKLAL GOKALDAS PAREKH, YOGENDRA AMRITLAL DOSHI, VRAJLAL DAHYABHAI CHAUHAN, AYANASOMAYAJULA VISWESWARA RAO & MIRZA MOHAMMED TAQUIKHAN.

Application for Patent No. 1130/DEL/87 filed on 28th December, 1987.

Appropriate Office for Opposision Proceedings (Rule 4, Patent Rule 1972), Patent Office Branch, New Delhi-110005.

Claims 5

An improved process for the extraction of kappa carrageenan from the seaweed Hypnea of the Class Rhodophyceas which comprises presoaking of the fragmented seaweed in water for about 120 minutes such that the concentration of the seaweed in the resul ing solution ranges from 5 to 12% followed by trituration with a solution of an alkaline material selected from the group consisting of alkaline earth metal hydroxides and alkali metal hydroxides such hat the amount of the alkaline material being equal to 6.5% by wt. of the dry weight of the seaweed for a minimum of 30 minutes and extracting the mixture by digestion under low pressure, at tempeperature ranging from 90° to 115°C for a period ranging from 60 to 80 minutes, then recovering the kappa carrageenan by known methods as herein described.

(Compl. Specn. 19 pages.)

Ind. Cl. : 39 C & 130 G. 173447

Int. Cl.[4] : C01G 41/00.

A PROCESS FOR THE RECOVERY OF AMMONIUM PARATUNGSTATE OR SYNTHETIC SCHEELITE FROM SCHEELITE MINERALS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001,

INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAJA KISHORE PARAMGURU, PRAVAT KUMAR SAHOO & KEDAR NATH JENA

Application for Patent No. 1155/DEL/87 filed on 31st December 1987. Complete Specification left on 17th Feb., 1989.

Appropriate Office for Oppoisition Proceedings (Rule 4, Patent Rule 1972), Patent Office Branch, New Delhi-110005.

Claims 2

A process for the recovery of ammonium paratungstate or synthetic scheelite from scheelite minerals which comprises :

(i) Grinding the scheelite concentrate preferably to —150 mesh BSS size,

(ii) Mixing thoroughly the said ground scheelite concentrate with sodium carbonate 50% by wt of scheelite minerals;

(iii) Roasting the mixture at a temperature of 700—800°C for 2-3 hrs;

(iv) Leaching the doasted mixture (calcine) at room temperature for 15-30 minutes in a 10% sodium carbonate soultion to form a slurry;

(v) Filtering the slurry to obtain sodium tungstate in solution and conversion the said solution tungstate solution to ammonium para tungstate or synthetic scheelite by known processes;

(vi) Drying the said ammonium para tungstate and sieving through 400 BSS mesh screen;

(vii) Recycling the coarse fraction obtained in step (vi) to the step (iii) above for roasting to recover the lost ammonium paratungstate or synthetic scheelite.

(Provisional Specification 4 pages).
(Compl. Specn. 7 pages; Drgns. 2 sheets.)

Ind. Cl. : 32 F_2 C +40 B. 173448

Int. Cl.[4] : C 07 C 85/02.

A PROCESS FOR THE PREPARATION OF TRIALKYL ACYL AMMONIUM COMPOUNDS USEFUL AS PHASE TRANSFER CATALYSTS (PTC).

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

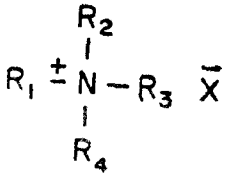
Inventors : (1) SURESH NARAYAN MATHUR,
(2) SOMARAJU NAGABHUSHAN RAO,
(3) UDAY TRIAMBAKRAJ BHALERAO

Application for Patent No 1156/DEL/87 filed on 31st December, 1987.

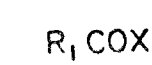
Appropriate Office for Oppoisition Proceedings (Rule 4, Patent Rule 1972), Patent Office Branch, New Delhi-110005.

Claims 2

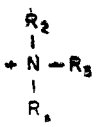
A process for the preparation of trialkyl acyl ammonium compound of formula (C) :—



shown in the drawing accompanying the specification where R1 is acyl group having 2-24 carbon atoms, R_2 R_3 & R_4 are either ethyl, butyl groups on the quaternary nitrogen atom or 5—6 membered heterocyclic ring system with atleast one nitrogen atom available for quaternisation the total number of carbon atoms in the nitrogen being atleast 16—30 and X represents an anion selected from Cl, Br, I, of So_4 and long chain hydrocarbons having C_{16}-C_{25} carbon atoms which comprises refluxing an acid chloride of the formula (a) :



where R_1 is as defined above with a compound of formula (b) :—



where R_2, R_3 & R_4 have the meaning given above in the presence of salvent

(Compl. Specns. 8 pages; Drgns. 1 sheets.)

Ind. Cl. : 55D(1) 173449

Int. Cl.[4] : A01N-25/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF NOVEL HYDROGENATED PLANT EXTRACT HAVING DIHYEROAZADIDACHTIN OR TETRAHYDROAZADIRACHTIN.

Applicant : ROHM AND HAAS COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA 19105, UNITED STATES OF AMERICA.

Investor(s) : LIDERT ZEV.

Application for Patent No. 1002/DEL/88 filed on 17th November, 1988.

Appropriate Office for Oppoisition Proceedings (Rule 4, Patent Rule 1972), Patent Office Branch, New Delhi-110005.

Claims 12

An improved process for the preparation of novel hydrogenated plant extract having dihydro zadirachtin or tetrahydroazadirachtin possess enhanced insecticidal properties which comprises :

extracting in any known manner an azadirachtin-containing plant extract and

subjecting said extract to hydrogenation under hydrogenation conditions such as a predetermined pressure and at a temperature in the range of 10°C to 50°C.

(Compl. Specns 27 pages; Drgns. 1 sheet.)

Ind. Cl. : 53E [LII (5)] 173450

Int. Cl.[4] : B60G 3/00.

VEHICLES WITH IMPROVED SUSPENSION LINKAGES.

Applicant : SILK ENGINEERING (DERBY) LIMITED, BRITISH COMPANY, OF 12 CRANMER ROAD, WEST MEADOWS INDUSTRIAL ESTATE, DERBY, DE 2 6JL, ENGLAND.

Inventor : GEORGE ROBERT SILK.

Application for Patent No. 81/DEL/88 filed on 1st February, 1988.

Convention date 4th February 1987/8702425/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 8

A vehicle with an improved suspension linkage characterised in that said suspension linkage, comprises a swing arm for a rear wheel of the vehicle, oneend of the swing arm being pivotally attached to a fixed part of the vehicle, the other end of the swing arm receiving a spindle of a vehicle rear wheel and at least one pivotable integral suspension link, the suspension link being pivotally secured to a fixed part of the vehicle and pivotally secured to one end of a shock absorbing means, the other end of the shock absorbing means being secured to a fixed part of the vehicle, said suspension link and swing arm being slideable connected together by means of a cam slot and a pivotable portion slideably moveable within the said slot.

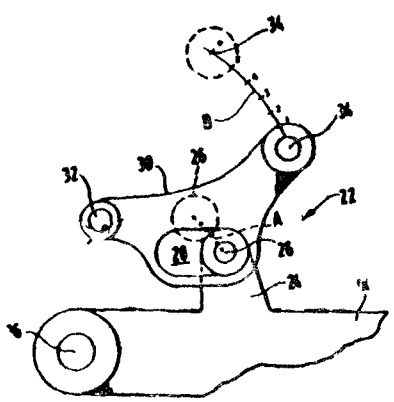


Fig 2.

(Compl. Specn 7 pages; Drgns. 2 sheets.)

Cl. 25 B, 35 E, 193. 173451

Int. Cl.[4] : C 04 B 14/32, 35/00, 35/10, 35/18, 35/58, 35/60, 35/71.

"METHOD FOR FORMING MACROCOMPOSITE BODIES".

Applicant : LANXIDE TECHNOLOGY COMPANY, LP. of Tralee Industrial Park, Newark, Delaware 19714-6077, United States of America

Inventors : (1) MARC STEVENS NEWKIRK, (2) DANNY RAY WHITE, (3) CHRISTOPHER ROBIN KENNEDY, (4) ALAN SCOTT NAGELBERK, (5) MICHEL KEVORK AGHAJANIAN, (6) ROBERT JAMES WIENER.

Application No. 801/Cel 89 filed on 29th September, 1989

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) patent office, Calcutta.

31 claims

A method for forming a macrocomposite, comprising :

provinding a first body to be infiltrated, said first body Comprising at least one material selected from the group consisting of a loose mass of a substantially non-reactive filler as herein described and a preform comprising a shaped syostantially non-reactive filler;

juxtaposing a second or additional body adjacent to or in contract with said first body; and

sponteneously infiltrating at least a portion of said first body with molten matrix metal, as herein described at least one of the matrix metal and said first body being in the presence of at least one of an infiltration enhancer precursor as herein described and an infiltration enhancer as herein described for at least a portion of the period of infiltration, to form at least one metal matrix composite body which is integrally attached or bonded to said second or additional body.

Compl. specn. 52 pages Drgns. 3 sheets.

Cl. 88 A D 173452.

Int. Cl : C 10 J 5/00, 3/466.

"PROCESS FOR OBTAINING GAS FROM SOLID FUELS FROM A GASIFICATION REACTOR AND A RADIANT COOLER FOR CARRYING OUT THE PROCESS"

Applicant : KRUPP KOPPESS GMBH, of Altendorfer Strasse 120, D-4300 Essen 1, West Germany.

Inventors : (1) HANS-GUNTER RICHARD, (2) GERHARD WILMER.

Application No. 900 Cal/89 filed on 27th October, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) patent office, Calcutta.

14 claims

Process for obtaining gas from solid fuels from a gasification reactor in particular from a gasification reactor for coal gassification under pressure, and laden with solid particles, having a cylindrical radiant cooler and a radiant cooling shell, characterized in that the flow is divided by cylindrical radiant cooling walls, arranged at a spacing from the radiant cooling shell, into concentric cylindrical layers having layer thickness for a high rate of exchange of radiant heat, and wherein the caking of the particles from the gas on the walls of the radiant cooling walls is prevented by cooling the said regions.

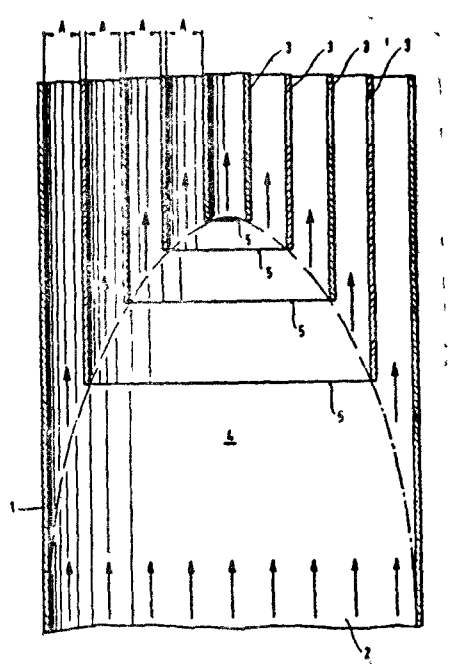


Fig. 1

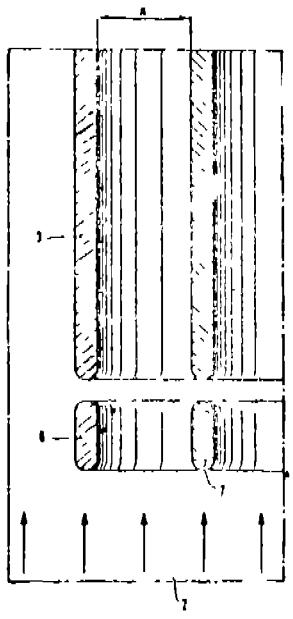


Fig. 2

(Compl. speen. 15 pages; Drgns 2 shee,s)

Cl. 68 D-7, 128 K 173453

Int. Cl.[4] : F 21 Q 15/00.

"LIGHTHEAD ASSEMBLY"

Applicant : MDT CORPORATION, 1777 East Henrietta Road Rochester, NY 14692 United Stes of America.

Inventors : (1) LEONARD LELAND HALLINGS, (2) DONALD WILLIAM BRAMER, (3) BRUCE ARRINGTON SANBORN.

Application No. 44/Cal/90 filed on 166th January, 1990.

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) patent office, Calcutta

13 claims

A lighthead assembly comprising a lighthead with :

a central axis;

a multiplicity of peripheral pods, each including a lamp, said peripheral pods being mounted within said lighthead symmetrically around said central axis on pivot mounts, said peripheral pods being constructed and arranged so that when said lighthead is energized, said peripheral pods produce peripheral light beams originating symmetrically with respect to said central axis, said pivot mounts permitting displacement of said peripheral pods within a range of pivotal movement, whereby the peripheral pods may be caused to intersect said central axis at selected locations corresponding to selected amounts of displacement within said range of movement;

coordination means operably associated with said peripheral pods, constructed and arranged to coordinate the pivotal movement of said peripheral pods so that all of said peripheral light beams simultaneously intersect said central axis at any said selected location throughout said range of movement;

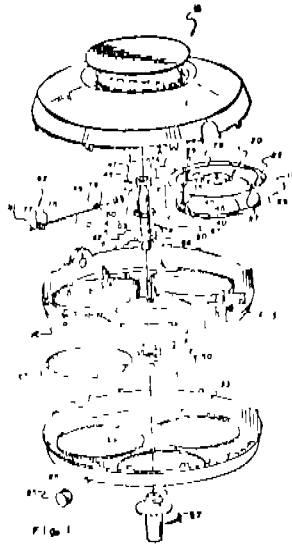
said coordination means comprising a cylindrical surface rotatably mounted within said lighthead about an axis of rotation approximately parallel said central axis, said cylindrical surface carrying camming surface means; and

reaction means operably associated with each of said peripheral pods and said camming surface means to effect synchronized pivoting of said peripheral pods in a first direction as said cylindrical surface is rotated clockwise and in a second direction, opposite said first direction, as said sylindrical surface is rotated counter-clockwise;

means for rotating said cylindrical surface with respect to its axis of rotation comprising of :

first handle means positioned parallel to said central axis and mechanically coupled to said cylindrical surface element; and

second handle means positioned external of said lighthead and connected to said cylindrical surface element through drive means



(Compl. speen. 12 pages; Drgn. 1 sheet)

Cl. 13 A 99H 173454

Int. cl[4] B 65 B 51/10.

"A VERTICAL FROM, FILM AND SEAL MACHINE"

Applicant : DU PONT CANADA, INC., of BO 2200 Streetsville, Mississauga, Ontario, Canada L5M 2H 3, Canada.

Inventors : (1) RALPH CARL WIRSIG, (2) ARNOLD ADWARD PERRETT.

Application No. 50/Cal 90 filed on 19th January, 1990 (Convention No. 89.02320 filed on 2-2-89 in U.K.)

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) patent office, Calcutta.

24 claims

A vertical form, fill and seal machine which has a pair of transverse heat sealing jaws with at least one of said jaws being capable of transverse motion and adapted to collapse a tubular film, horizontally, passing between said jaws, the improvement comprising a constraint chute below said jaws, said constraint chute comprising Two vertical walls which are adapted to permit a material-filled pouch to travel therebetween, said pouch being formed by tranversely heat sealing a material-filled tubular film at intervals, using said jaws to form said seals, one of said walls being adapted to move away from

the other wall under tension and to return to its original position, the degree of tension and the friction of said walls being sufficient to squeeze said pouch therebetween and to permit said pouch to travel therebetween without undue restraint the plane of both of said walls being perpendicular to the direction of closing of said jaws

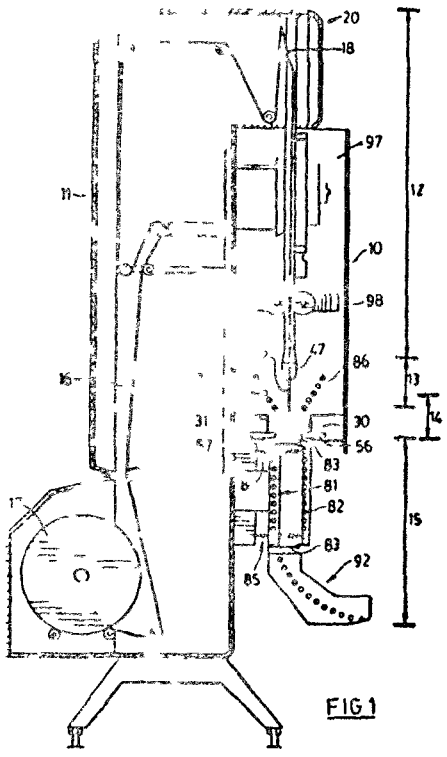


FIG 1

Compl specn 39 pages Drgns 8 sheets

Cl 106 195 E G 173455

Int cl ' B 05 B 1 02 1 12

A GAS INJECTION NOZZLE AN APPARATUS FOR INJECTING GAS IN HIGH TEMPERATURE LIJUIDS, E G METAL MELT INCLUDING SAID NOZZLE'

Applicant INTERCAST LTD of Abbey House, 453 Abbey Lane Sheffield South Yorkshire England

Inventors (1) ANTHONY POWER, (2) JOHN RICHARD GELSTHORPE

Application No 3 8 Cal 90 filed on 30 h April 1990 (convention No 8707717 filed on 18 02 87 in United Kingdom) (Divided out of No 7 Cal 88 antedated to 10-02-88)

Appropriate office for opposition proceedings (Rule 4 Patent rule 1972) patent office Calcutta

10 claims

A gas injection nozzle, for installation in the wall of a vessel and for use in passing gas into a high temperature liquid, comprising a refractory monolithic body having a passage therein and a gas porous refractory end portion closing the passage at a discharge end of the body, and closely fitted in the passage is a gas injection cartridge comprising an open ended, gas-impermeable sleeve having upstream and downstream ends closed adjacent each end by a compressible wad of fibrous refractory material and containing a filling of particulate refractory material the cartridge being permeable to gas flow from the upstream to the downstream end and impermeable to liquid flow therethrough

compl specn 31 pages Drgns 4 sheets

Cl. 32 E 173456

Int cl ' C 08 G 65/26

"A PROCESS FOR PREPARATION OF THE COPOLYMERS OF P-DIOXANONE (PDO) WITH LACTIDE AND/OR GLYCOLIDE"

Applicant ETHICON, INC of U S Route No 22, Somerville, New Jersey 08876, United States of America

Inventors (1) RAO S BEZWADA, (2) RICHARD L KRONENTHAL.

Application No 607/Cal/90 filed on 20th July, 1990

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) patent office, Calcutta

8 claims

A process for the preparation of copolymers of p dioxanone (PDO) with lactide and/or glycolide which comprises reacting p dioxanone with lactide and or glycolide in the presence of an initiator such as mono-or polyhydric alcohol or a hydroxy acid in an amount of 0 1 wt% to about 30 wt% based On weight of monomers followed by recovering in a manner known per se the copolymers such as herein described

Compl specn. 29 pages Drgns Nil.

Cl 32 2 (b) 55 E 4 173457

Int cl A 61 K 31/33

"A METHOD FOR PRODUCING A STORAGE-STABLE AQUEOUS SOLUTION COMPRISING A HYDROLYTICALLY UNSTABLE ORGANIC IONIC COMPOUND"

Applicant & Inventors (1) NESBITT D BROWN of 5139 Celestial Way, Columbia, Meryland 21044 USA, (2) BHUPENDRA PANNALAL DOCTOR of 10613 Great Arbor Way, Potomac Maryland 20854 USA, and (3) JOSEPH MICHAEL MARASCO of 479 Brookside Lane Somerville, New Jersey 08876 USA

Application No 834/Cal/91 filed on 4 h November, 1991

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) patent office, Calcutta

14 claims

A method for producing a storage-stable aqueous solution comprising a hydrolytically unstable organic ionic compound such as herein described the method characterised by preparing an aqueous solution comprising cyclodextrin such as herein described and said hydrolytically unstable organic ionic compound the molar ratio of cyclodextrin to said hydrolytically unstable organic ionic compound in said solution being above 1 1

Compl spec 29 pages Drgns 4 sheets

Cl 32 F-' (b) 173458

Int cl ' C 07 C 29/38

"PROCESS FOR PRODUCING ALPHA-PYRIDYL CARBINOLS"

Applicant REILLY INDUSTRIES, INC 1510 Market Square Center Indianapolis, Indiana 46204 United States of America

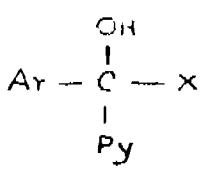
Inventors (1) RAMIAH MURUGAN, (2) GERALD L GOE (DECEASED), (3) ERIC F V SCRIVEN

Application No 911/Cal/91 filed on 9th December, 1991

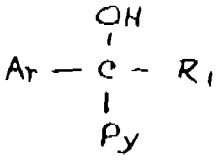
Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) patent office Calcutta

16 claims

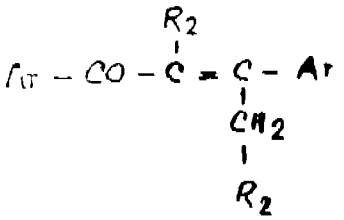
A process for producing a α-pyridyl α-aryl carbinol compounds or a salt thereof of formula (I) of the accompanying drawings, comprising reacting a cyanopyridine such as herein described with suitable an α-aryl carbonyl compound such as herein described in the presence of a metal or metalion electron donor such as herein described in the presence of a solvent such as herein described and hydrolyzing the product thereof so as to form the desired α-pyridyl α -aryl carbinol compound and if desired converting the compound into its salts in a known manner.



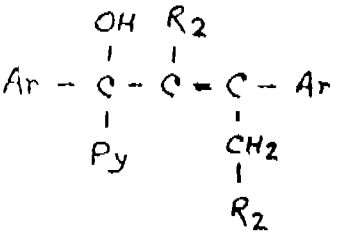
FORMULA I



FORMULA II



FORMULA III



FORMULA IV

Compl. specn. 20 pages Drgns. 1 sheet

Cl. 32 F2(a) 173459

Int. cl. C 07 C 79/22

"PROCESS FOR THE PREPARATION OF O-NITROPHENETOLE"

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 Frankfurt am Main 80, Federal Republic of Germany,

Inventors : (1) GEORG FOLZ, (2) THEODOR PAPENFUSH, (3) HANS SCHUBERT.

Application No. 954/Cal/91 filed on 27th December, 1991.

Appropriate office for opposition proceedings (Rule 4, patent rule 1972) patent office, Calcutta.

9 claims

A process for the preparation of o nitrophenetole by reaction of O-nitrochlorobenzene with a slight excess of ethanol in a 45 to 55% strength by weight solution of alkali metal hydroxide in the presence of a phase transfer catalyst such as herein described at temperatures of 55 to 70°C, the molar ratio of ethanol to o-nitrochlorobenzene being from 1.05 to 1.4 : 1 and the molar ratio of alkali metal hydroxide to o-nitrochlorobenzene from 3 to 6 : 1 which comprises ensuring that the ethanol concentration in the organic phase does exceed 6% by weight relative to the organic phase during the entire course of the reaction, after the reaction filtering off the salt formed, separating the filtrate into o-nitrophenetole and mother liquor, and reusing this following concentration and replenishment.

Compl. specn. 10 pages Drg. 1 sheet

Cl. 55 F 173460

Int. cl.[5] C 08 L 1/00

"PROCESS FOR PREPARING BIOPOLYMER SUBSTRATE SUITABLE FOR COATING/MIXING WITH ONE OR MORE ANTAGONISTIC MICROORGANISMS"

Applicant : KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, of 100 Jang-dong, Yuseong-ku, Daejeon, Republic of Korea.

Inventors : (1) SONG HAE BOK, (2) HANG WOO LEE, (3) KWANG HEE SON, (4) SUNG UK KIM, (5) JEE WOO LEE, (6) DO YEOB KIM, (7) YONG KOOK KWON.

Application No. 329/Cal/92 filed on 15th May, 1992.

Appropriate office for opposition proceedings (Rule 4, patent rule 1972) patent office, Calcutta.

3 Claims

A process for preparing biopolymer substrate suitable for coating/mixing with one or more antagonistic microorganisms such as described herein for formulating the microorganism-coated biopolymer, the process comprising :

(a) processing a biopolymer selected from the group consisting of microbiologically metabolizable polymer-containing natural substances such as described herein and microbiologically metabolizable polymers extracted therefrom such as described herein and derivatives thereof into the form of a gel or paste at an elevated temperature ranging from 80 to 120°C; and

(b) cooling said processed biopolymer to a lower temperature ranging from a room temperature to 60° C.

Compl. specn. 30 pages Drgns. Nil

OPPOSITION PROCEEDINGS UNDER SECTION 25

By virtue of the opposition entered by M/s. Council of Scientic & Industrial Research, New Delhi to grant of Patent on Application No. 168910 (523/CAL/90) by M/s. Pennwalt Corporation, U. S. A., notified in the Gazette of India Part III, Section 2 dated 18th January, 1992, the applicants M s. Pennwalt Corporation, USA has abandoned their application for patent.

PATENT SEALED

ON 08-04-1994

168629*D 169887 169892 169895 169899 170086* 170857 170860* 171349 171460 171806 171825 171826 171883*D 171885 171887 171898 171939 171960*D 171991 172003 172004* 172035*D 172061 172062 172069 172071 172072 172073 172074 172075 172085 172087 172089 172091 172092.

CAL—10, MAS—16, BOM—05, DEL—05

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent, F—Food Patent.

RENEWAL FEES PAID

152747	152894	153499	153955	154154	154156	155198
155796	156018	156078	156447	156918	158265	158747
159220	159268	159291	159633	159982	160856	161300
161259	161684	161913	162376	162409	163206	163454
163528	163606	163922	163925	163962	164428	164998
165082	165328	165607	165695	165696	165889	166541
166566	166960	167223	167355	167674	168382	168519
168677	168678	168679	168680	169163	169178	169183
169196	169314	169494	169667	169668	169669	170041
170197	170199	170273	170276	170291	170312	170330
170338	170356	170401	170406	170412	170413	170418
170419	170422	170422	170424	170429	170511	170537
170538	170565	170577	170578	170661	170665	170666
170670	170682	170728	170785	170858	170859	170898
170899	170985	170987	171024	171053	171267	171268
171269	171273	171274	171431	171435	171979.	

CESSATION OF PATENTS

166321	166324	166325	166338	166340	166341	166342
166351	166355	166363	166371	166374	166376	166380
166385	166399	166401	166402	166407	166416	166429
166435	166436	166442	166445	166452	166456	166457
166463	166466	166469	166470	166486	166517	166525
166531	166535	166540	166543	166550	166579	166604
166609	166625	166627	166630	166635	166637	166639
166640	166643	166644	166652	166659	166671	166677
166704	166715	166716	166727	166731	166739	166761
166768	166791					

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 159985 dated the 16th November, 1984 made by Isover Saint-Gobain on the 1st october, 1993 and notified in the Gazette of India, Part III, Section 2, dated the 25th December, 1993 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 161681 dated the 9th August, 1984 made by The Post Office on the 2nd July, 1993 and notified in the Gazette of India, Part III, Section 2, dated the 25th September, 1993 has been allowed and the said patent restored.

Notice in hereby given an application for restoration of patent No. 161927 dated the 11th October, 1985 made in Tata-Robins-Fraser Limited on the 24th September, 1993 and notified in the Gazette of India, Part III, Section 2, dated the 25th December, 1993 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 168603 dated the 29th August, 1988 made by Eco-Tec Limited on the 17th August, 1973 and notified in the Gazette of India, Part III, Section 2, dated the 23rd Oct., 1993 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 169240 dated the 11th November, 1987 made by chunnilal Lakhaji Mistry and others on the 9th March, 1993 and notified in the Gazette of India, Part III, Section 2, dated the 5th June 1993 has been allowed and the said patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 168732 granted to Mitsui Toatsu Chemicals, Incorporated for an invention relating to "production process of chlorine".

The Patent ceased on the 22nd June, 1993 due to non payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 9th April, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 7th July, 1994, under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 169166 granted to Sponge Iron India Limited for an invention relating to "an improved rotary Kiln for producing sponge iron.

The Patent ceased on the 19th April, 1993 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 9th April, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 7th July, 1994, under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 169307 granted to Hoechst Aktengesellschaft for an invention relating to "an improved process for making azo pigments"

The Patent ceased on the 26th March, 1993 due to nonpayment of renewal fees within the prescribed time and the cessation of the Patent will notified in the Gazette of India, Part III, Section 2 dated the 9th April, 1994

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S. O. Building 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 7th July, 1994, under Rule 69 of the Patents Rules 1972. A written statement in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No 169315 granted to Rank Taylor Hobson Limited for an invention relating to "a system for performing metrological operations".

The Patent ceased on the 3rd March, 1993 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 9th April, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 7th July, 1994, under Rule 69 of the Patents Rules 1972. A written statement in triplicate setting out the nature of the opponents interest the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act 1970 for the restoration of Patent No. 169361 granted to Rank Taylor Hobson Limited for an invention relating to "apparatus for position control of a work piece".

The Patent ceased on the 3rd March, 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 9th April, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 7th July, 1994. under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 169604 granted to Hoechst Aktiengesellschaft for an invention relating to "a process of preparing a catalyst used in the preparation of a polyolefin".

The Patent ceased on the 5th May, 1993 due to non-payment of renewal fees with the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 9th April, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 7th July, 1994. under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156864 granted to Kumar Krishna Rohatgi for an invention relating to "a led (light emitting diode) lamp".

The Patent ceased on the 24th Feb., 1993 due to non-payment of renewal fees with the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 9th April, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta 700 020 on or before the 7th July, 1994. under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Sec. 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries :

Class 3. No. 165336. Trishakti Electronics Pvt. Ltd, Indian Co. of C-42, Sector-II, Noida-201301, U..P India "Ceiling Fan Regulator". Feb. 15, 1993.

Class 3. No. 165471. New Tech Services Pvt. Ltd. of 9-1-87, St. Jon's Road, Secunderabad-500025, A. P., India, India Co. "Connector to join two insulated telecom conductors". March 26, 1993.

Class 3. No. 165967. Summet Machines Ltd. of A/11-2 & A/11-3, Ambad, Industrial Estate, Addl. Nasik Industrial Area, Nasik-422010, Maharashtra, India, Indian Co. "Whisper Blade for Mixer". July 30, 1993.

Class 3. 164731. Nithya Enterprises, Indian Partnership Firm of Horamavu Road, Banswadi, Bangalore-560043, Karnataka, India. "Spray Gun". Sep. 1, 92.

Class 3. No. 166045. Eagle Flask Industries Ltd., Indian Company of Talegaon 410507, Dist : Pune, Maharashtra India. "Casserole". August 17, 1993.

Class 3. No. 165992. Airboss Limited, Australian Company of 26, Miles Road, Kewdale, Western Australia, Australia. "Tyre element for tyre construction". Priority date February 11, 1993 (Australia).

Class 3. No. 165993. -do-. "Tyre element for tyre construction". Priority date February 11, 1993 (Australia).

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Controller General of Patents Designs and Trade Marks

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